

# Going Forward

## The Next Prioritization Data Screen

For Candidate Chemicals Tracked for  
Carcinogenicity



# Prioritization: Next Steps

## Screening of Candidate Chemicals

1. Re-apply **Epidemiology Data Screen**
  - May identify a few chemicals
2. Apply one or more **Animal Data Screens**
3. Conduct *Preliminary Toxicological Evaluation* of chemicals identified through these screens

Identify the next group of Chemicals Proposed for Committee Consideration



# Item for CIC Discussion and Advice

Today we are asking for CIC input on Animal Data Screens for use in the next round of prioritization



- *CRITERIA FOR IDENTIFYING CHEMICALS FOR LISTING AS “KNOWN TO THE STATE TO CAUSE CANCER”*
- *Preamble* to the International Agency for Research on Cancer (IARC) *Monographs on the Evaluation of Carcinogenic Risks to Humans*



# Animal Data Screens

## Screen 1

### Chemicals with

- Two or more positive\* animal cancer bioassays; or
- One positive\* animal cancer bioassay, with
  - Malignant (or combined malignant and benign) tumors occurring to an unusual degree with regard to incidence, site or type of tumor or age at onset; or
  - findings of tumors at multiple sites

\* An increased incidence of malignant or combined malignant and benign tumors



# Animal Data Screens (continued)

## Screen 2

### Chemicals with

- **One positive\* animal cancer bioassay and**
  - Structure-activity comparisons with a known carcinogen; or
  - Evidence from a second animal study of benign tumors known to progress to malignancy; or
  - Evidence that the chemical operates by a mechanism known to be involved in human carcinogenesis (e.g., genotoxicity, altered gene expression, immune suppression, hormone disruption)

\* An increased incidence of malignant or combined malignant and benign tumors



# Committee discussion and advice regarding animal data screens

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